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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/020,739
Filing Date	12/18/2001
First Named Inventor	Michael D. Miller
Art Unit	3724
Examiner Name	Douglas D. Watts
Attorney Docket Number	07487

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1	US-	7134206	11-2006	Bach	
2	US-	0194323	10-2004	Lueck	
3	US-	324469	3-1992	Bouchakian	
4	US-	249926	10-1978	Wong	
5	US-	194374	1-1963	Wildgen	
6	US-	399109	3-1889	Wynkoop	
7	US-	168061	11-1951	Moore	
8	US-	169830	6-1952	St. Clair	
9	US-	2318129	5-1943	Torode	
10	US-	1553006	11-1924	Sallac	
11	US-	1294031	8-1914	Bigelow	
12	US-	843953	2-1907	Laramy	
13	US-	38292	10-1906	McClure	
14	US-	31575	10-1899	Phillips et al.	
15	US-	536862	2-1895	Eros	
16	US-	18455	7-1888	Richmond	
17	US-	9687	5-1881	Cox	
18	US-	88370	3-1869	Cox	
19	US-	387953	12-1997	Town et al.	

FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	
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20	US-	387956	12-1997	Gagnon	
21	US-	4771541	9-1988	Bouchakian	
22	US-	2473288	7-1947	McNeill	
23	US-	2216005	9-1940	Goldstein	
24	US-	4535538	8-1985	Nelson	
25	US-	388664	8-1888	Green	
26	US-	4984367	1-1991	Albanese	
27	US-	376514	1-1888	Torkelson	
28	US-	6119351	9-2000	Vanderputt	
29	US-	4610087	9-1986	Mickelson et al.	
30	US-	5481805	1-1996	Wilson	
31	US-	5058279	10-1991	Mars	
32	US-	5060386	10-1991	Mars	
33	US-	5068967	12-1991	Mars	
34	US-	4835864	6-1989	Tang	
35	US-	4922611	5-1990	Levy	
36	US-	5697160	12-1997	Pritsker	
37	US-	6199285	3-2001	Sheehan	
38	US-	5592744	1-1997	Weinstein	

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		Number-Kind Code ² (if known)			
39	US- 5360276	5-1997	Weinstein		
40	US- 318600	7-1991	Lillelund		
41	US- 284442	7-1986	Chan		
42	US- 252315	7-1979	Dart et al.		
43	US- 236420	7-1975	Dart et al.		
44	US- 235306	7-1975	Christian et al.		
45	US- 235242	6-1975	Dart et al.		
46	US- 234017	12-1974	Christian et al.		
47	US- 232013	7-1974	Cyran		
48	US- 219859	2-1971	Abel		
49	US- 219000	10-1970	Bornancini et al.		
50	US- 218988	10-1970	Bornancini et al.		
51	US- 216496	1-1970	Wentzel		
52	US- 203818	2-1966	Seibel		
53	US- 202926	11-1965	Hoover		
54	US- 202722	11-1965	Bliss		
55	US- 200008	1-1965	Tatum		
56	US- 198506	6-1964	Stephensen		
57	US- 216482	1-1970	Wentzel		

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